

Appln. No. 09/905,717

Amendment Date: October 28, 2005

Reply to Office Action of June 28, 20054

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A receiver for receiving and
Efficiently separating a composite 3-G wireless communication
signal into [its] constituent base-band components, wherein said
receiver combines [multiple] processing tasks of a [conven-
tional] 3-G receiver using a single filter, [in two entities]
the single filter comprising

an equal-ripple linear phase recursive filter channelizer
performing spectral translation and bandwidth reduction, and

an equal-ripple linear recursive interpolator for perform-
ing sample rate changes[,].

[whereby the channelizer entity performs the processing re-
quired to operate multiple channels in a single device.]

2. (canceled)

3. (canceled)

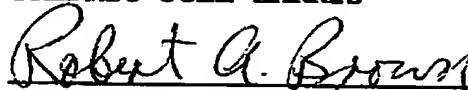
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Applicant's Attorney again extends high commendation and great appreciation for the yeoman efforts and courteous cooperation of Examiner Lawrence B. Williams during several telephone conversations to expedite and resolve the problems encountered and issues involved in the prosecution of this case.

Applicant's Attorney may be reached at 847/272-3182, or 847/272-3176, or FAX 847/272-5424, if the need arises for any further discussion in connection with the matters at hand.

Respectfully submitted,

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